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AF ZFW

In re Patent Application of: Haiming Wang et al.

Atty Docket No. TWI-23910

Application No.: 10/782,321

Filed: February 19, 2004

Confirmation No.: 6131

For: SELF-CALIBRATING BEAM PROFILE ELLIPSOMETER

M/S AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmittal herewith is an amendment in the above-identified application.

The fee has been calculated as shown below.

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL	14	MINUS	20	0	x \$50 =	\$0
INDEP.	4	MINUS	4	0	x \$200 =	\$0
FIRST PRESENTATION OF MULTIPLE DEP CLAIMS					+ \$360	\$0
TOTAL						\$0

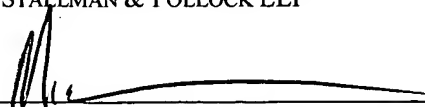
Small Entity 50% Filing Fee Reduction (if applicable) \$0

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3  
\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
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- ☒ No additional fee is required.
- ☐ A check in the amount of \$\_\_\_\_\_ is attached.
- ☒ Please charge any additional fees, including any fees necessary for extensions of time or credit overpayment to Deposit Account No. 50-1703, under Order No. 50-1703.  
A duplicate copy of this sheet is enclosed.
- ☒ Petition for extension of time. The undersigned attorney of record hereby petitions for an extension of time pursuant to 37 C.F.R. § 1.136(a), as may be required, to file this response.

STALLMAN & POLLOCK LLP

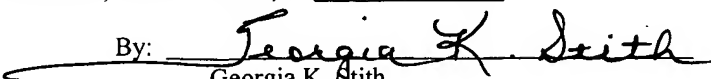
Dated: December 13, 2005

By:   
Michael A. Stallman (Reg. No. 29,444)  
Attorneys for Applicant(s)

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Dated: December 13, 2005

By:   
Georgia K. Smith

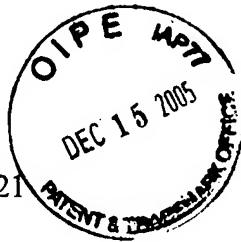
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Haiming Wang et al.

Application No.: 10/782,321

Filed: February 19, 2004

For: SELF-CALIBRATING BEAM  
PROFILE ELLIPSOMETER

Confirmation No.: 6131

Group Art Unit: 2877

Examiner: Isiaka O. Akanbi

**RESPONSE TO FINAL OFFICE ACTION  
MAILED NOVEMBER 30, 2005**

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STALLMAN &amp; POLLOCK LLP

Dated: 12/13/2005

By:

Georgia K. Stith

Sir:

In response to the Final Office Action mailed November 30, 2005, Applicants respond as follows:

**REMARKS**

The subject invention relates to an improvement for a beam profile ellipsometric system. This proprietary technology was developed by the assignee herein and was originally disclosed in U.S. Patent Nos. 5,042,951 and 5,181,080 and various subsequent patents. In these systems, a high numerical aperture lens is used to focus the beam onto the sample to create a spread of angles of incidence. A detector is provided which can generate output signals which include the angle of incidence information. More specifically, the detector can include a 2D array (see Figure 3 of the subject application) which can generate outputs corresponding to individual angles of incidence. In an alternate embodiment, the detector can be a quad cell with each